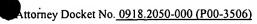
OFFICE





DECLARATION

SOLE/JOINT INVENTOR ORIGINAL/SUBSTITUTE/CIP

Atter a martin	7		ORIGINAL/SUBSTITUTE/CIE
As a below named invented am the original, first, and sole invent	declare that: my residence, post of or (if only one name is listed below	ffice address, and citizenship are as state y) or a joint inventor (if plural inventors led: System and Method for Efficien	are listed below) of the subject matter
as described in the specification [filed December 4, 2001	attached or [X] of patent Applica and amende	tion Serial No. 10/005,193ed on	
amendment referred to above; that I c invention thereof, or patented or desc this application; that the invention ha country foreign to the United States of this application; and that I acknowled	do not know and do not believe the cribed in any printed publication in as not been patented or made the su of America on an application filed lengthed the duty to disclose information cderal Regulations § 1.56(a). Such	pove identified specification, including the same was ever known or used in the Unany country before my or our invention bject of an inventor's certificate issued by me or my legal representative or assign of which I am aware which is material information is material when it is not cu	ited States of America before my or our thereof or more than one year prior to before the date of this application in any gas more than twelve months prior to to the examination of this application in
(1) it establishes, by itse(2) it refutes, or is incon	lf or in combination with other info	ormation, a prima facie case of unpatenta at has taken or may take in:	ability of a claim; or
(i) opposii (ii) assertir	ng an argument of unpatentability r ng an argument of patentability.	relied on by the Office, or	
I hereby claim foreign priority benefi	its under Title 35, United States Co	de § 119 of any foreign application(s) fo a filing date before that of the applicatio	or patent or inventor's certificates listed n(s) on which priority is claimed:
COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. 119
•			[]YES []NO
I hereby claim the benefit under 35 U	J.S.C. §119(e) of any United States	provisional application(s) listed below.	
(Application Number)	(Filing Date	·)	
(Application Number)	(Filing Date)	
any claim of this application is not di	isclosed in the prior United States A	ny United States application(s) listed bel Application, I acknowledge the duty to d een the filing date of the prior applicatio	isclose material information as defined
		· · · · · · · · · · · · · · · · · · ·	
true; and further that these statements	s were made with the knowledge the 1001 of Title 18 of the United Sta	are true and that all statements made on it at willful false statements and the like so tes Code and that such willful false state	made are punishable by fine or
FULL NAME OF SOLE OR FIR Trista P. Chen	ST INVENTOR INVEN	TOR'S SIGNATURE	DATE 01/20/2002
RESIDENCE 900 S. Negley Avenue, Apt. 17, Pit	itsburgh, PA 15232		CITIZENSHIP Taiwan
POST OFFICE ADDRESS Same as above			
FULL NAME OF SECOND JOIN T.M. Murali	NT INVENTOR INVEN	TOR'S SIGNATURE	DATE
RESIDENCE 46 Pemberton Street, Cambridge, M	1A 02140		CITIZENSHIP India
POST OFFICE ADDRESS Same as above			

FULL NAME OF THIRD JOINT INVENTED Rahul Sukthankar	INVENTOR'S SIGNATURE	DATE
RESIDENCE 435 Washington Street, Apt. 402, Somerville, MA 02143		CITIZENSHIP India
POST OFFICE ADDRESS Same as above		

::ODMA\MHODMA\iManage;279572;1

Attorney Docket No. 0918.2050-000 (P00-3506)

DECLARATION

SOLE/JOINT INVENTOR ORIGINAL/SUBSTITUTE/CIP

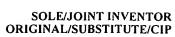
Sp.				ORIGINAL	/SUBSTITUTE/CII
As a below named invention and the original, first, and sole invention which is claimed and for which a pat Massive Databases	or (if only one name is lis	sted below) or	r a joint inventor (if plural inven-	tors are listed below) of	the subject matter
as described in the specification [filed December 4, 2001	attached or [X] of pater	nt Application nd amended o	n Serial No. <u>10/005,193</u> on		
I hereby state that I have reviewed an amendment referred to above; that I dinvention thereof, or patented or describing application; that the invention has country foreign to the United States of this application; and that I acknowled accordance with Title 37, Code of Ferecord or being made of record in the	do not know and do not be cribed in any printed publas not been patented or mand of America on an applicated by the duty to disclose in deral Regulations § 1.560	elieve the sar lication in any ade the subjection filed by re aformation of	me was ever known or used in the y country before my or our inven ct of an inventor's certificate issu me or my legal representative or a which I am aware which is mate	e United States of Ameration thereof or more that led before the date of the assigns more than twelverial to the examination	rica before my or our an one year prior to is application in any re months prior to of this application in
(1) it establishes, by itse(2) it refutes, or is incon	If or in combination with sistent with, a position th	other inform e applicant h	ation, a prima facie case of unpa as taken or may take in:	tentability of a claim; or	:
(i) opposi (ii) assertir	ng an argument of unpate	entability relie ability.	ed on by the Office, or		
I hereby claim foreign priority benefit below and have also identified below	ts under Title 35, United any foreign application(States Code (s) having a fi	§ 119 of any foreign application(ling date before that of the applic	(s) for patent or invento cation(s) on which prior	r's certificates listed ity is claimed:
COUNTRY	APPLICATION NU	JMBER	DATE OF FILING		AIMED UNDER S.C. 119
•				[]YES	[]NO
I hereby claim the benefit under 35 U (Application Number)		ited States pro	ovisional application(s) listed be	low.	
(Application Number)		iling Date)			
I hereby claim the benefit under Title any claim of this application is not di in Title 37, Code of Federal Regulati filing date of this application:	isclosed in the prior Unite	ed States App	lication, I acknowledge the duty	to disclose material inf	ormation as defined
I hereby declare that all statements me true; and further that these statements imprisonment, or both, under Section the application or any patent issued to	s were made with the kno n 1001 of Title 18 of the U	wledge that v	villful false statements and the lil	ke so made are punishal	ble by fine or
FULL NAME OF SOLE OR FIR Trista P. Chen	ST INVENTOR	INVENTO	PR'S SIGNATURE	DATE	
RESIDENCE 900 S. Negley Avenue, Apt. 17, Pit	tsburgh, PA 15232	<u> </u>		CITIZEN Taiwan	SHIP
POST OFFICE ADDRESS Same as above				<u> </u>	
FULL NAME OF SECOND JOIL T.M. Murali	NT INVENTOR	INVENTO T.	DR'S SIGNATURE M. Munal:	DATE Feb	15, 2002
RESIDENCE 46 Pemberton Street, Cambridge, N	1A 02140	<u> </u>		CITIZEN India	
POST OFFICE ADDRESS Same as above				<u> </u>	

FULL NAME OF THIRD JOINT INVENTED BAHUL Sukthankar	INVENTOR'S SIGNATURE	DATE
RESIDENCE 435 Washington Street, Apt. 402, Somerville, MA 02143		CITIZENSHIP India
POST OFFICE ADDRESS Same as above		

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Attorney Docket No. <u>0918.2050-000 (P00-3506)</u>

DECLARATION



As a below named inventory hereby am the original, first, and sold the which is claimed and for which a pat Massive Databases	or (if only one name is list	ed below) c	or a joint inventor (if plural inve	entors are listed	below) of	the subject matter
as described in the specification [filed December 4, 2001	attached or [X] of patent	Applicatio	n Serial No. <u>10/005,193</u> on			·
I hereby state that I have reviewed an amendment referred to above; that I divention thereof, or patented or describes application; that the invention has country foreign to the United States of this application; and that I acknowled accordance with Title 37, Code of Ferecord or being made of record in the	do not know and do not be cribed in any printed public as not been patented or mad of America on an application dge the duty to disclose info deral Regulations § 1.56(a	lieve the sa cation in an de the subje on filed by ormation or	me was ever known or used in a y country before my or our invect of an inventor's certificate is me or my legal representative of f which I am aware which is ma	the United State ention thereof c sued before the or assigns more aterial to the exa	es of Ameri or more than date of this than twelve amination o	ica before my or our n one year prior to s application in any e months prior to of this application in
(1) it establishes, by itse(2) it refutes, or is incon	If or in combination with o sistent with, a position the	ther inform applicant h	nation, a prima facie case of unp as taken or may take in:	patentability of	a claim; or	
(i) opposii (ii) assertir	ng an argument of unpaten	tability reli	ed on by the Office, or			
I hereby claim foreign priority benefit below and have also identified below	ts under Title 35, United S	tates Code	§ 119 of any foreign applicatio ling date before that of the app	n(s) for patent of lication(s) on w	or inventor' hich priori	s certificates listed ty is claimed:
COUNTRY	APPLICATION NUM	MBER	DATE OF FILING	PRIC	PRIORITY CLAIMED UNDER 35 U.S.C. 119	
`				[]	YES	[] NO
I hereby claim the benefit under 35 U (Application Number)		ed States pr	ovisional application(s) listed b	pelow.	*,·*-	
(Application Number)	(Fil	ing Date)				
(Application Number)	(Fil	ing Date)				
I hereby claim the benefit under Title any claim of this application is not di in Title 37, Code of Federal Regulati filing date of this application:	sclosed in the prior United	States App	olication, I acknowledge the du	ty to disclose m	aterial info	rmation as defined
I hereby declare that all statements m true; and further that these statements imprisonment, or both, under Section the application or any patent issued the	s were made with the know I 1001 of Title 18 of the Ur	ledge that v	willful false statements and the	like so made ar	e punishab	le by fine or
FULL NAME OF SOLE OR FIR Trista P. Chen	ST INVENTOR	INVENTO	DR'S SIGNATURE	I	DATE	
RESIDENCE 900 S. Negley Avenue, Apt. 17, Pittsburgh, PA 15232				CITIZENSHIP Taiwan		
POST OFFICE ADDRESS Same as above					_	
FULL NAME OF SECOND JOIN T.M. Murali	NT INVENTOR	INVENTO	DR'S SIGNATURE	I	DATE	
RESIDENCE 46 Pemberton Street, Cambridge, M	1A 02140	<u> </u>			CITIZENS ndia	HIP
POST OFFICE ADDRESS						

Same as above

FULL NAME OF THIRD JOINT INVENT	INVENTOR'S SIGNATURE	DATE Jan 11,2002
RESIDENCE 435 Washington Street, Apt. 402, Somerville, MA 02143		 CITIZENSHIP
POST OFFICE ADDRESS Same as above		

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